"Voltage-impressed current measuring apparatus and current buffers with switches used therefor" Inventor: Hisaharu Nakahara S/N: 10/537,563 Contact: Gallagher & Lathrop (415) 989-8080 JUL 2 0 7007 Docket: NAA218 1/7 PRIOR ART FIG. 1A A1s Rb **CABLE** DUT 10 100 **A1** Ra DV DAC Va INPUT FROM THE TEST APPARATUS **MEASURING** PART OUTPUT TO THE TEST APPARATUS FIG. 1B RANGE SWITCHING PART Vb Va b а PRIOR ART VdVc - 100 POTENTIAL DIFFERENCE MEASURING PART **OUTPUT TO THE** TEST APPARATUS FIG. 1C **SW1** R1 110 RANGE SWITCHING PART SW2 R2 Vb Va **PRIOR ART** SWn Rn , Vd

cnt1 \sim cntn

INPUT FROM THE TEST APPARATUS

2/7

